

STIC-Biotech/ChemLib

152289

From: Swope, Sheridan
Sent: Monday, May 02, 2005 8:32 PM
To: STIC-Biotech/ChemLib
Cc: Schreiber, David
Subject: 09/940,235

RECEIVED
MAY - 3 2005
STIC-BIOTECH DIVISION
(STIC)

Hello!!

For 09/940,235 pls do the following interference search.

SID 2, residues 16-383, against the NT and AA data bases.

For any hits that have 100% homology with residues 16-383 of SID 2, please do the following.

(1) Align SID 4, residues 1-106.

(2) Align SID 4, residues 150-259.

Scan this page

PLEASE GIVE THIS SEARCH TO David Schreiber

Sheridan Swope, Ph.D.
Patent Examiner, AU 1652
Recombinant Enzymes
571-272-0943 (voice)
E02B71 Remsen Bld (Office)
E02C70 Remsen Bld (Mailbox)

STAFF USE ONLY

Searcher: D. Schreiber
Searcher Phone: 2- 2526
Date Searcher Picked up: _____
Date Completed: 5/11
Searcher Prep/Rev. Time: 12
Online Time: 35

Type of Search

NA#: 9 AA#: 9
Interference: ✓ SPDI: _____
S/L: _____ Oligomer: _____
Encode/Transl: ✓
Structure#: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: Seamp 99
WWW/Internet: _____
Other(Specify): _____

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model
Run on: May 11, 2005, 08:25:39 ; Search time 0.001 Seconds
(without alignments)
262.562 Million cell updates/sec

Title: US-09-940-235-4
Perfect score: 600
Sequence: 1 QAOQMVQSPVAVSQSKPG.....SMINDCTCIGAGRISCTI 106

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 5 seqs, 2477 residues
Total number of hits satisfying chosen parameters: 5

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : rai2.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33.5	5.6	414	1 US-09-211-542A-6	Sequence 6, Appli
2	33.5	5.6	414	1 5240845-1	Patent No. 5240845
3	33.5	5.6	414	1 5240845-1	Patent No. 5240845
4	33.5	5.6	440	1 US-08-560-098A-52	Sequence 52, Appl
5	33.5	5.6	795	1 US-09-211-542A-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-211-542A-6
; Sequence 6, Application US/09211542A
; Patent No. 6210667
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
; TITLE OF INVENTION: BACTERIAL FIBRIN-DEPENDENT PLASMINOGEN ACTIVATOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROMBERG & SUNSTEIN, LLP
; STREET: 125 Summer Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/211,542A
; FILING DATE: 15-December-1998

CLASSIFICATION: 1653
PRIOR APPLICATION NUMBER: 60/069,497
FILING DATE: 15-December-1997
ATTORNEY/AGENT INFORMATION:
NAME: Attorney, Strimpel, Harriet M.
REGISTRATION NUMBER: 37,008
REFERENCE/DOCKET NUMBER: 1874/111
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)443-9292
TELEFAX: (617)443-0004
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 414 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-211-542A-6

Query Match 5.6%; Score 33.5; DB 1; Length 414;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

QY 44 VCTCYGSGRGFNCESKPEAETCF-----DKYT 71
DB 364 IITVYMGKR-----PEGENASYHLAYDKDRYT 390

RESULT 2
5240845-1
; Patent No. 5240845
; APPLICANT: FUJII, SETSURO; TAKADA, KAORUKO; KATANO, TAMIKI;
; MAJIMA, EIJI; OGINO, KOICHI; ONO, KENJI; SAKATA, YASUYO; UENOYAMA,
; TSUTOMU
; TITLE OF INVENTION: MUTATED STREPTOKINASE PROTEINS
; NUMBER OF SEQUENCES: 65
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/549,049
; FILING DATE: 06-JUL-1990
; SEQ ID NO: 1:
; LENGTH: 414
5240845-1

Query Match 5.6%; Score 33.5; DB 1; Length 414;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

QY 44 VCTCYGSGRGFNCESKPEAETCF-----DKYT 71
DB 364 IITVYMGKR-----PEGENASYHLAYDKDRYT 390

RESULT 3
5240845-1
; Patent No. 5240845
; APPLICANT: FUJII, SETSURO; TAKADA, KAORUKO; KATANO, TAMIKI;
; MAJIMA, EIJI; OGINO, KOICHI; ONO, KENJI; SAKATA, YASUYO; UENOYAMA,
; TSUTOMU
; TITLE OF INVENTION: MUTATED STREPTOKINASE PROTEINS
; NUMBER OF SEQUENCES: 65
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/549,049
; FILING DATE: 06-JUL-1990
; SEQ ID NO: 1:
; LENGTH: 414
5240845-1

Query Match 5.6%; Score 33.5; DB 1; Length 414;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

QY 44 VCTCYGSGRGFNCESKPEAETCF-----DKYT 71
DB 364 IITVYMGKR-----PEGENASYHLAYDKDRYT 390

Db 364 IITVVGKR-----PGENASYHLAYDKORYT 390

RESULT 4

US-08-560-098A-52
; Sequence 52, Application US/08560098A
; Patent No. 5976841
; GENERAL INFORMATION:
; APPLICANT: WENDT, Stephan
; APPLICANT: HEINZEL-WIELAND, Regina
; APPLICANT: STEFFENS, Gerd Josef
; TITLE OF INVENTION: Proteins having Fibrinolytic and
; TITLE OF INVENTION: Coagulation-inhibiting Properties
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Evenson, McKown, Edwards & Lenahan
; STREET: 1200 G Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/560,098A
; FILING DATE: 17-NOV-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: P 44 40 892.7
; FILING DATE: 17-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: EVANS, Joseph D.
; REGISTRATION NUMBER: 26,269
; REFERENCE/DOCKET NUMBER: 148/42448
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-8800
; TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 440 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-560-098A-52

Query Match 5.6%; Score 33.5; DB 1; Length 440;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

QY 44 VCTCYGSGRGFNCESKPEAEETCF-----DKYT 71

Db 390 IITVVGKR-----PGENASYHLAYDKORYT 416

RESULT 5

US-09-211-542A-2
; Sequence 2, Application US/09211542A
; Patent No. 6210667
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
; TITLE OF INVENTION: BACTERIAL FIBRIN-DEPENDENT PLASMINOGEN ACTIVATOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROMBERG & SUNSTEIN, LLP
; STREET: 125 Summer Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/211,542A
; FILING DATE: 15-December-1998
; CLASSIFICATION: 1653
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/069,497
; FILING DATE: 15-December-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Attorney, Strimpel, Harriet M.
; REGISTRATION NUMBER: 37,008
; REFERENCE/DOCKET NUMBER: 1874/111
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)443-9292
; TELEFAX: (617)443-0004
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 795 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-211-542A-2

Query Match 5.6%; Score 33.5; DB 1; Length 795;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

QY 44 VCTCYGSGRGFNCESKPEAEETCF-----DKYT 71

Db 745 IITVVGKR-----PGENASYHLAYDKORYT 771

Search completed: May 11, 2005, 08:25:40
Job time : 1 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 11, 2005, 08:21:51 ; Search time 0.001 Seconds
(without alignments)
87.662 Million cell updates/sec

Title: US-09-940-235-4
Perfect score: 600
Sequence: 1 QAQMVPQSPVAVSQSPK.....SMWDCICAGRGRICTI 106

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2 seqs, 827 residues

Total number of hits satisfying chosen parameters: 2

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : rapb2.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33.5	5.6	413	1 US-10-360-101-264	Sequence 264, App
2	33.5	5.6	414	1 US-09-940-235-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-10-360-101-264
; Sequence 264, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 264
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: sequence of streptokinase
US-10-360-101-264

Query Match 5.6%; Score 33.5; DB 1; Length 413;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

Qy 44 VCTCYGSGRGFNCESKPEAETCF-----DKYT 71
Db 364 IITVYMGKR-----PEGENASYHLAYDKDRYT 390

RESULT 2

US-09-940-235-2
; Sequence 2, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir

; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Streptococcus equisimilis
US-09-940-235-2

Query Match 5.6%; Score 33.5; DB 1; Length 414;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

Qy 44 VCTCYGSGRGFNCESKPEAETCF-----DKYT 71
Db 364 IITVYMGKR-----PEGENASYHLAYDKDRYT 390

Search completed: May 11, 2005, 08:21:52
Job time : 1 secs

Qy 44 VCTCYGSGRGNCESKPEAEETCF-----DKYT 71
: ||| ||| ||| : |||
Db 364 IITVYMGKR-----PEGENASYHLAYDKDRYT 390

RESULT 7
US-09-940-235-2
; Sequence 2, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kamnara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION OF SAID
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Streptococcus equisimilis

US-09-940-235-2

Query Match 5.6%; Score 33.5; DB 1; Length 414;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

Qy 44 VCTCYGSGRGNCESKPEAEETCF-----DKYT 71
: ||| ||| ||| : |||
Db 364 IITVYMGKR-----PEGENASYHLAYDKDRYT 390

RESULT 8
US-10-631-558-2
; Sequence 2, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kamnara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION OF SAID
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 414

; TYPE: PRT
; ORGANISM: Streptococcus equisimilis
US-10-631-558-2

Query Match 5.6%; Score 33.5; DB 1; Length 414;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

Qy 44 VCTCYGSGRGNCESKPEAEETCF-----DKYT 71
: ||| ||| ||| : |||
Db 364 IITVYMGKR-----PEGENASYHLAYDKDRYT 390

RESULT 9
US-09-791-537-45187
; Sequence 45187, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 45187
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Streptococcus equisimilis
US-09-791-537-45187

Query Match 5.6%; Score 33.5; DB 1; Length 440;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

Qy 44 VCTCYGSGRGNCESKPEAEETCF-----DKYT 71
: ||| ||| ||| : |||
Db 390 IITVYMGKR-----PEGENASYHLAYDKDRYT 416

Search completed: May 11, 2005, 08:23:20
Job time : 0.001 secs

```

; TELEFAX: (202) 371-2545
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 414 amino acids
; TYPE: amino acid
; STRANDEDNESS: both
; TOPOLOGY: both
PCT-US93-09502-1

Query Match          5.6%; Score 33.5; DB 1; Length 414;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

Qy 44 VCTCYGSGRGFNCSEKPEAETCF-----DKYT 71
Db 364 IITVYMGKR-----PEGENASYHLAYDKDRT 390

RESULT 4
US-07-956-692A-9
; Sequence 9 Application US/07956692A
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
; APPLICANT: Kussie, Paul
; APPLICANT: Parhami-Seren, Behnaz
; TITLE OF INVENTION: Recombinant Streptokinase Fragments with
; TITLE OF INVENTION: Decreased Antigenicity and Uses Thereof
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein and Fox
; STREET: 1225 Connecticut Avenue
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 19921005
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0609.3570000
; TELEPHONE: (202) 833-7533
; TELEFAX: (202) 833-8716
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 414 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: both
; TOPOLOGY: both
US-07-956-692A-9

Query Match          5.6%; Score 33.5; DB 1; Length 414;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

Qy 44 VCTCYGSGRGFNCSEKPEAETCF-----DKYT 71
Db 364 IITVYMGKR-----PEGENASYHLAYDKDRT 390

RESULT 5
US-08-128-299-1
; Sequence 1 Application US/08128299
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.

```

```

; TITLE OF INVENTION: Peptides Specifically Binding to Plasminogen And the
; TITLE OF INVENTION: DNA Encoding Such Peptides
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein and Fox
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/128,299
; FILING DATE: Herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sanzo, Michael A.
; REGISTRATION NUMBER: 36,912
; REFERENCE/DOCKET NUMBER: 0609.3570001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2545
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 414 amino acids
; TYPE: amino acid
; STRANDEDNESS: both
; TOPOLOGY: both
US-08-128-299-1

Query Match          5.6%; Score 33.5; DB 1; Length 414;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

Qy 44 VCTCYGSGRGFNCSEKPEAETCF-----DKYT 71
Db 364 IITVYMGKR-----PEGENASYHLAYDKDRT 390

RESULT 6
US-09-471-349-2
; Sequence 2 Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kamnara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471.349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Streptococcus equisimilis
US-09-471-349-2

Query Match          5.6%; Score 33.5; DB 1; Length 414;
Best Local Similarity 29.4%; Pred. No. 0;
Matches 10; Conservative 3; Mismatches 8; Indels 13; Gaps 2;

```

```

RESULT 1
US-10-360-101-264
; Sequence 264, Application US/10360101
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leanhouits, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 264
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

```

Db 1136 AGGTGAAATGCATCTTACCATCTGCATATGACAAAGACCGTTACACC 1184

RESULT 3

5240845-2/c

; Patent No. 5240845
; APPLICANT: FUJII, SETSURO; TAKADA, KAORUKO; KATANO, TAMIKI;
; MAJIMA, EIJI; OGINO, KOICHI; ONO, KENJI; SAKATA, YASUYO; UENOYAMA,
; TSUTOMU

; TITLE OF INVENTION: MUTATED STREPTOKINASE PROTEINS

; NUMBER OF SEQUENCES: 65

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/549,049

; FILING DATE: 06-JUL-1990

; SEQ ID NO: 2:

; LENGTH: 1242

5240845-2

Alignment Scores:

Pred. No.:	1.71	Length:	1242
Score:	43.00	Matches:	12
Percent Similarity:	40.30%	Conservative:	15
Best Local Similarity:	17.91%	Mismatches:	26
Query Match:	7.17%	Indels:	14
DB:	1	Gaps:	1

US-09-940-235-4 (1-259) x 5240845-2 (1-1242)

Qy 36 ArgThrTyrLeuGlyAsnValLeuValCysThrCysTyrGlyGlySerArgGlyPheAsn 55

Db 279 AGAATGTACGTTAGCGATCAGCTGTTCTCGATTGCTTT----- 241

Qy 56 CysGluSerLysProGluAlaGluThrCysPheAspLysTyrThrGlyAsnThrTyr 75

Db 240 -----CAGCAGATCTGCTTCTCGATTGCTTT----- 202

Qy 76 ArgValGlyAspThrTyrGluArgProLysAspSerMetIleTrpAspCysThrCysIle 95

Db 201 AGAGTCAGTAGCAACGGTTTAGATTTCGGGGACAGCCCTGTTTCGGTTTACCACCATG 142

Qy 96 GlyAlaGlyArgGlyArgIle 102

Db 141 GCGCGGACGAGAGGTGAGGTC 121

RESULT 4

5240845-3/c

; Patent No. 5240845

; APPLICANT: FUJII, SETSURO; TAKADA, KAORUKO; KATANO, TAMIKI;
; MAJIMA, EIJI; OGINO, KOICHI; ONO, KENJI; SAKATA, YASUYO; UENOYAMA,
; TSUTOMU

; TITLE OF INVENTION: MUTATED STREPTOKINASE PROTEINS

; NUMBER OF SEQUENCES: 65

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/549,049

; FILING DATE: 06-JUL-1990

; SEQ ID NO: 3:

; LENGTH: 1262

5240845-3

Alignment Scores:

Pred. No.:	1.71	Length:	1262
Score:	43.00	Matches:	12
Percent Similarity:	40.30%	Conservative:	15
Best Local Similarity:	17.91%	Mismatches:	26
Query Match:	7.17%	Indels:	14
DB:	1	Gaps:	1

US-09-940-235-4 (1-259) x 5240845-3 (1-1262)

Qy 36 ArgThrTyrLeuGlyAsnValLeuValCysThrCysTyrGlyGlySerArgGlyPheAsn 55

Db 293 AGAATGTACGTTAGCGATCAGCTGTTCTCGATTGCTTT----- 255

Qy 56 CysGluSerLysProGluAlaGluThrCysPheAspLysTyrThrGlyAsnThrTyr 75

Db 254 -----CAGCAGATCTGCTTCTCGAGTTTATGAGACATAGCGCC 216

Qy 76 ArgValGlyAspThrTyrGluArgProLysAspSerMetIleTrpAspCysThrCysIle 95

Db 215 AGAGTCAGTAGCAACGGTTTAGATTTCGGGGACAGCCCTGTTTCGGTTTACCACCATG 156

Qy 96 GlyAlaGlyArgGlyArgIle 102

Db 155 GCGCGGACGAGAGGTGAGGTC 135

RESULT 5

US-09-211-542A-1

; Sequence 1, Application US/09211542A

; Patent No. 6210667

; GENERAL INFORMATION:

; APPLICANT: Reed, Guy L.

; TITLE OF INVENTION: BACTERIAL FIBRIN-DEPENDENT PLASMINOGEN ACTIVATOR

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BROMBERG & SUNSTEIN, LLP

; STREET: 125 Summer Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02110

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/211,542A

; FILING DATE: 15-December-1998

; CLASSIFICATION: 1653

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/069,497

; FILING DATE: 15-December-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Attorney, Strimpel, Harriet M.

; REGISTRATION NUMBER: 37,008

; REFERENCE/DOCKET NUMBER: 1874/111

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 443-9292

; TELEFAX: (617) 443-0004

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2385 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: CDNA

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 1..2385

US-09-211-542A-1

Alignment Scores:

Pred. NO.:	4.17	Length:	2385
Score:	38.00	Matches:	15
Percent Similarity:	33.90%	Conservative:	5
Best Local Similarity:	25.42%	Mismatches:	35
Query Match:	6.33%	Indels:	4
DB:	1	Gaps:	1

US-09-940-235-4 (1-259) x US-09-211-542A-1 (1-2385)

Qy 14 ValSerGlnSerLysProGlyCysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnGln 33

Db 933 GTTCGGCGAAGATCCAGTCATTTGCGCCACCATGAAACGCCCGAAGAGGTGAATCAT 992

Qy 34 TrpGluArgThrTyrLeuGlyAsnValLeuValCysThrCysTyrGly----- 50

RESULT 1
5240845-2
; Patent No. 5240845
; APPLICANT: FUJII, SETSURO; TAKADA, KAORUKO; . KATANO, TAMIKI;
; MAJIMA, BIJI; OGINO, KOICHI; ONO, KENJI; SAKATA, YASUYO; UENOYAMA,
; TSUTOMU
; TITLE OF INVENTION: MUTATED STREPTOKINASE PROTEINS

```
Db 993 GCCGAACATCCCGCAGACTGTCGCTTTCTGGTATCGCTGCGTACTGCGGTGATCAACGC 1052
Qy 51 ---SerArgGlyPheAsnCysGluSerLysProGluAlaGluThrCysPheAsp 68
Db 1053 CGCCAGCGTGTGTCAGACTGTGATGAAGCCCTGAAAGACGCGCAGACTAATTCGAG 1109
RESULT 6
US-09-211-542A-1/C
; Sequence 1, Application US/09211542A
; Patent No. 6210667
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
; TITLE OF INVENTION: BACTERIAL FIBRIN-DEPENDENT PLASMINOGEN ACTIVATOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROMBERG & SUNSTEIN, LLP
; STREET: 125 Summer Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/211,542A
; FILING DATE: 15-December-1998
; CLASSIFICATION: 1653
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/069,497
; FILING DATE: 15-December-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Attorney, Strimpel, Harriet M.
; REGISTRATION NUMBER: 37,008
; REFERENCE/DOCKET NUMBER: 1874/111
; TELEPHONE: (617)443-9292
; TELEFAX: (617)443-0004
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2385 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..2385
US-09-211-542A-1
Alignment Scores:
Pred. No.: 4.17 Length: 2385
Score: 38.00 Matches: 11
Percent Similarity: 38.8% Conservative: 3
Best Local Similarity: 30.56% Mismatches: 22
Query Match: 6.33% Indels: 0
DB: 1 Gaps: 0
US-09-940-235-4 (1-259) x US-09-211-542A-1 (1-2385)
Qy 1 GlnAlaGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
Db 1156 CAGGTCCAGCAATCCCTACCGTGGATGCCCGCGGGTACCGAGCTCGAATTAGTCT 1097
Qy 21 CysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrpGluArg 36
Db 1096 GCGCGCTCTTTCAGGCTTCATCGACAGCTCTGACGACCGTGGCGGGGT 1049
RESULT 7
US-08-568-393B-1
; Sequence 1, Application US/08568393B
```

```
; Patent No. 5876999
; GENERAL INFORMATION:
; APPLICANT: Hua-Lin Wu
; APPLICANT: Guey-Yueh Shi
; TITLE OF INVENTION: Preparation of novel streptokinase
; TITLE OF INVENTION: mutants as improved thrombolytic agents
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jeing & Chang
; STREET: Two No. 5876999th Second Street, Suite 290
; CITY: San Jose
; STATE: California
; COUNTRY: USA
; ZIP: 95113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44MB
; MEDIUM TYPE: storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 6.1 on Window 3.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/568,393B
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Chi-Ping Chang
; REGISTRATION NUMBER: 37,798
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (408) 288-8585
; TELEFAX: (408) 288-8386
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1242 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE:
; HYPOTHETICAL: N
; ANTI-SENSE: N
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus equisimilis H46A
; INDIVIDUAL ISOLATE: Malke, H., Roe, B., and Ferretti, J. J.;
; INDIVIDUAL ISOLATE: "Nucleotide sequence of the streptokinase gene from Strepto-
; INDIVIDUAL ISOLATE: equisimilis H46A" from Gene 34:357-362 (1985).
; CELL TYPE: Streptococcus equisimilis H46A
; US-08-568-393B-1
Alignment Scores:
Pred. No.: 7.53 Length: 1242
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 13
Query Match: 5.58% Indels: 8
DB: 1 Gaps: 2
US-09-940-235-4 (1-259) x US-08-568-393B-1 (1-1242)
Qy 44 ValCysThrCysTyrGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1090 ATCATACCGTTTATATATATGGCAAGCGA-----CCCGAAGGAGAG 1128
Qy 64 GluThrCysPhe-----AspLysTyrThr 71
Db 1129 AATGCTAGCTATCATTTTAGCTATGATAAAGATCGTTATACC 1170
RESULT 8
US-09-211-542A-5
; Sequence 5, Application US/09211542A
; Patent No. 6210667
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
; TITLE OF INVENTION: BACTERIAL FIBRIN-DEPENDENT PLASMINOGEN ACTIVATOR
```

NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROMBERG & SUNSTEIN, LLP
STREET: 125 Summer Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/211,542A
FILING DATE: 15-December-1998
CLASSIFICATION: 1653
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/069,497
FILING DATE: 15-December-1997
ATTORNEY/AGENT INFORMATION:
NAME: Attorney, Strimpel, Harriet M.
REGISTRATION NUMBER: 37,008
REFERENCE/DOCKET NUMBER: 1874/111
TELEPHONE: (617) 443-9292
TELEFAX: (617) 443-0004
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1242 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1242
US-09-211-542A-5

Alignment Scores:
Pred. No.: 7.53 Length: 1242
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-211-542A-5 (1-1242)

Qy 44 ValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1090 ATCAATACCGCTTTATATATGGCAAGCGA-----CCGAGAGGAG 1128

Qy 64 GluThrCysPhe-----AspLysTyrThr 71

Db 1129 AATGCTAGCTATCATTTAGCCTATGATAAAGATCGTTATACC 1170

RESULT 9

US-08-568-393B-1/c
Sequence 1, Application US/08568393B

Patent No. 5876999

GENERAL INFORMATION:

APPLICANT: Hua-Lin Wu

APPLICANT: Guey-Yueh Shi

TITLE OF INVENTION: Preparation of novel streptokinase

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: Jeing & Chang

STREET: Two No. 5876999th Second Street, Suite 290

CITY: San Jose

STATE: California

COUNTRY: USA

ZIP: 95113
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44MB
MEDIUM TYPE: storage
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1 on Window 3.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/568,393B
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Chi-Ping Chang
REGISTRATION NUMBER: 37,798
REFERENCE/DOCKET NUMBER:
TELEPHONE: (408) 288-8585
TELEFAX: (408) 288-8386
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1242 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: N
ORIGINAL SOURCE:
ORGANISM: Streptococcus equisimilis H46A
INDIVIDUAL ISOLATE: Malke, H., Roe, B., and Ferretti, J. J.;
INDIVIDUAL ISOLATE: "Nucleotide sequence of the streptokinase gene from Streptococcus equisimilis H46A" from Gene 34:357-362 (1985).
CELL TYPE: Streptococcus equisimilis H46A
US-08-568-393B-1

Alignment Scores:
Pred. No.: 9.82 Length: 1242
Score: 28.50 Matches: 12
Percent Similarity: 34.62% Conservative: 6
Best Local Similarity: 23.08% Mismatches: 19
Query Match: 4.75% Indels: 15
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-08-568-393B-1 (1-1242)

Qy 5 MetValGlnProGlnSerProVal-----AlaValSerGlnSerLysProGlyCysTyr 22
Db 581 ATGGTGTCAACGATAGCTAGTGTGTTTCAATAGTAGTATCTTTGAGACCTGGTCTGAAA 522

Qy 23 AsphaGlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyrLeuGlyAsnVal 42

Db 521 TCGTCATCAGGTTTAAAGGGAGTAAC----- 495

Qy 43 LeuValCysThrCysTyrGlyGlySerArgGlyPhe 54

Db 494 -----TGTACAGTATATCCACATCAACAGATTTC 465

RESULT 10

US-09-211-542A-5/c

Sequence 5, Application US/09211542A

Patent No. 6210667

GENERAL INFORMATION:

APPLICANT: Reed, Guy L.

TITLE OF INVENTION: BACTERIAL FIBRIN-DEPENDENT PLASMINOGEN ACTIVATOR

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: BROMBERG & SUNSTEIN, LLP

STREET: 125 Summer Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02110

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/211,542A
FILING DATE: 15-December-1998
CLASSIFICATION: 1653
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/069,497
FILING DATE: 15-December-1997
ATTORNEY/AGENT INFORMATION:
NAME: Attorney, Strimpel, Harriet M.
REGISTRATION NUMBER: 37,008
REFERENCE/DOCKET NUMBER: 1874/111
TELEPHONE: (617)443-9292
TELEFAX: (617)443-0004
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1242 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1242
US-09-211-542A-5

Alignment Scores:
Pred. No.: 9.82 Length: 1242
Score: 28.50 Matches: 12
Percent Similarity: 34.62% Conservative: 6
Best Local Similarity: 23.08% Mismatches: 19
Query Match: 4.75% Indels: 15
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-211-542A-5 (1-1242)

Qy	5	MetValGlnProGlnSerProVal-----AlaValSerGlnSerLysProGlyCysTyr	22
Db	581	ATGGTGTCCACCGATAGTGTGTTTCAATAGCTTAGTATCTTTGAGACCTGGTCTGAAA	522
Qy	23	AspAsnGlyLysHisTyrGlnIleAsnGlnGlnTIPGluArgThrTyrLeuGlyAsnVal	42
Db	521	TCGTATCATCAGGGTTTAAGGGAGTAAC-----	495
Qy	43	LeuValCysThrCysTyrGlyGlySerArgGlyPhe	54
Db	494	-----TGACAGTATATTCACATCAACAGATTTC	465

Search completed: May 11, 2005, 08:36:11
Job time : 1 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: May 11, 2005, 08:37:16 ; Search time 1 Seconds
(without alignments)
2.338 Million cell updates/sec

Title: US-09-940-235-4
Perfect score: 600
Sequence: 1 QAQMVPQSPVAVSQSKPG.....SMIWDCTCTGAGRISCTI 106

Scoring table:
BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 7 seqs, 11029 residues

Total number of hits satisfying chosen parameters: 14

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
-MODEL=frame_p2n.model -DEV=soft -O=Pending Patents AA Main:US-09-940-235-4
-DB=rnpb2.pdb -SUFFIX=ptc -OUT=align4_1_106_rnpb -MINMATCH=0.1 -LOOPCL=0
-LOPEXT=0 -UNITS=bits -START=1 -END=106 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=45
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=200000000
-NCPU=6 -NO_XLPXY -NEG SCORES=0 -LONGLOG -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : rnpb2.pdb.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	600	100.0	1661	1	US-09-940-235-10
2	160	26.7	1541	1	US-09-940-235-9
3	160	26.7	2096	1	US-09-940-235-12
4	109.5	18.2	1782	1	US-09-940-235-11
C 5	37.5	6.2	1782	1	US-09-940-235-11
C 6	37.5	6.2	2096	1	US-09-940-235-12
C 7	34	5.7	1541	1	US-09-940-235-9
8	33.5	5.6	1245	1	US-09-940-235-6
9	33.5	5.6	1327	1	US-09-940-235-5
10	33.5	5.6	1377	1	US-09-940-235-5
C 11	32	5.3	1661	1	US-09-940-235-10
C 12	29	4.8	1377	1	US-09-940-235-5
C 13	28.5	4.8	1245	1	US-09-940-235-1
C 14	28.5	4.8	1327	1	US-09-940-235-6

ALIGNMENTS

RESULT 1
US-09-940-235-10
; Sequence 10, Application US/09940235

Publication No. US20030059921A1
GENERAL INFORMATION:
APPLICANT: Kumar, Rajesh
APPLICANT: Sahni, Girish
APPLICANT: Roy, Chait
APPLICANT: Rajagopal, Kammara
APPLICANT: Nihalani, Deepak
APPLICANT: Sundaram, Vasudha
APPLICANT: Yadav, Mahavir
TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
TITLE OF INVENTION: PROTEIN
FILE REFERENCE: 07064-009002
CURRENT APPLICATION NUMBER: US/09/940.235
CURRENT FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 09/471,349
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: IN 3825/DEL/98
PRIOR FILING DATE: 1998-12-24
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 10
LENGTH: 1661
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Hybrid cassette
US-09-940-235-10
Alignment Scores:
Pred. NO.: 1.72e-06 Length: 1661
Score: 600.00 Matches: 106
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0
US-09-940-235-4 (1-259) x US-09-940-235-10 (1-1661)
Qy 1 GlnAlaGlnMetValGlnProGlnSerProValAlaValSerGlnSerIysProGly 20
Db 1341 CAGCGCAGCAAAATGGTTTCAGCCCGGCTGCTCAGTCAAGCAAGCCCGGT 1400
Qy 21 CysTrpAspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrpGluAqtTrpTyrLeuGly 40
Db 1401 TGTATGACAAATGGAAACACTATCAGATAAATCAACAGTGGGAGCGGACCTACTAGGT 1460
Qy 41 AsnValLeuValCysThrCysTrpGlySerArgGlyPheAsnCysGluSerIysPro 60
Db 1461 AATGTGTTGGTTTCTACTTGTATGGAGGAAGCCGAGGTTTAACTGCGAAAGTAAACCT 1520
Qy 61 GluAlaGluThrCysPheAspIysTyrThrGlyAsnThrTyrArgValGlyAspThr 80
Db 1521 GAAGCTGAAGAGACTTGTCTTTCACAAAGTACACTGGGAACACTTACCGAGTGGTGACACT 1580
Qy 81 TyrGluArgProIysAspSerMetIleTTrpAspCysThrCysIleGlyAlaGlyArgGly 100
Db 1581 TATGAGCGTCTCTAAAGACTCCATGATCTGGGACTGTACTGCATCGGGGGTGGGCGAGGG 1640
Qy 101 ArgIleSerCysThrIle 106
Db 1641 AGATAAGCTGTACCATC 1658
RESULT 2
US-09-940-235-9
; Sequence 9, Application US/09940235
GENERAL INFORMATION:
APPLICANT: Kumar, Rajesh
APPLICANT: Sahni, Girish
APPLICANT: Roy, Chait
APPLICANT: Rajagopal, Kammara

```

; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1541
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-9

Alignment Scores:
Pred. No.: 0.228 Length: 1541
Score: 160.00 Matches: 41
Percent Similarity: 52.73% Conservative: 17
Best Local Similarity: 37.27% Mismatches: 32
Query Match: 26.67% Indels: 20
DB: 1 Gaps: 8

US-09-940-235-4 (1-259) x US-09-940-235-9 (1-1541)
Qy 1 GlnAlaGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
Db 1191 CAGGCGCAACAGATTGTA-----CCCATAGCTGAGAAG----- 1223
Qy 21 CysTyrAspAsn-----GlyLysHisTyrGlnIleAsnGlnTrpGluArgThrTyr 38
Db 1224 TGTTTTGATCATGCTGCTGGACTTCCTATGTGTCGGAGAAAGCTGGGAGAACCCCTAC 1283
Qy 39 LeuGlyAsnValLeuVal---CysThrCysTyrGly---GlySerArgGlyPheAsnCys 56
Db 1284 CAAGGCTGGATGATGGTAGATTGCTGCTGGAGAACGCGGACCGCATCACTTGC 1343
Qy 57 GluSerLysProGluAlaGluThrCysPheAspLysTyrThrGlyAsnThrTyrArg 76
Db 1344 ACTTCTAGA-----AATAGATGCAACGATCAGGACACAAAGGACATCCTATAGA 1391
Qy 77 ValGlyAspThrTyrGluArgProLysAspSerMet-----IleTrpAspCysThrCys 94
Db 1392 ATTGGAGACACCTGGAGCAAG---AAGGATAATCGAGGAAACCTGCTCCAGTGCATCTGC 1448
Qy 95 IleGlyAlaGlyArgGlyArgIleSerCys 104
Db 1449 ACAGGCAACGCGGAGGAGAGTGGAAGTGT 1478

RESULT 3
US-09-940-235-12
; Sequence 12, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID

```

```

; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 2096
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-12

Alignment Scores:
Pred. No.: 0.228 Length: 2096
Score: 160.00 Matches: 41
Percent Similarity: 52.73% Conservative: 17
Best Local Similarity: 37.27% Mismatches: 32
Query Match: 26.67% Indels: 20
DB: 1 Gaps: 8

US-09-940-235-4 (1-259) x US-09-940-235-12 (1-2096)
Qy 1 GlnAlaGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
Db 1746 CAGGCGCAACAGATTGTA-----CCCATAGCTGAGAAG----- 1778
Qy 21 CysTyrAspAsn-----GlyLysHisTyrGlnIleAsnGlnTrpGluArgThrTyr 38
Db 1779 TGTTTTGATCATGCTGCTGGACTTCCTATGTGTCGGAGAAAGCTGGGAGAACCCCTAC 1838
Qy 39 LeuGlyAsnValLeuVal---CysThrCysTyrGly---GlySerArgGlyPheAsnCys 56
Db 1839 CAAGGCTGGATGATGGTAGATTGCTGCTGGAGAACGCGGACCGCATCACTTGC 1898
Qy 57 GluSerLysProGluAlaGluThrCysPheAspLysTyrThrGlyAsnThrTyrArg 76
Db 1899 ACTTCTAGA-----AATAGATGCAACGATCAGGACACAAAGGACATCCTATAGA 1946
Qy 77 ValGlyAspThrTyrGluArgProLysAspSerMet-----IleTrpAspCysThrCys 94
Db 1947 ATTGGAGACACCTGGAGCAAG---AAGGATAATCGAGGAAACCTGCTCCAGTGCATCTGC 2003
Qy 95 IleGlyAlaGlyArgGlyArgIleSerCys 104
Db 2004 ACAGGCAACGCGGAGGAGAGTGGAAGTGT 2033

RESULT 4
US-09-940-235-11
; Sequence 11, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23

```

```
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1782
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-11

Alignment Scores:
Pred. No.: 0.862 Length: 1782
Score: 109.50 Matches: 30
Percent Similarity: 46.15% Conservative: 18
Best Local Similarity: 28.85% Mismatches: 31
Query Match: 18.25% Indels: 26
DB: 1 Gaps: 6

US-09-940-235-4 (1-259) x US-09-940-235-11 (1-1782)
QY 5 MetValGlnProGlnSerProValAlaValSerGlnSerLysProGlyCysTyrAspAsn 24
DB 230 ATGGTCACAGCAACACAGATTGACCCATAGCTGAGAG-----TGTTTGATCAT 280
QY 25 -----GlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyrLeuGlyAsnVal 42
DB 281 GCTGCTGGGACTTCCTATGTGGTCGGAGAAACGTGGGAGAGCA-----GCGGACGC- 333
QY 43 LeuValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysProGluAla 62
DB 334 ATCACTTGCACCT-----TCT 348
QY 63 GluGluThrCysPheAspLysTyrThrGlyAsnThrTyrArgValGlyAspThrTyrGlu 82
DB 349 AGAATAGATGCAACACAGATTGACCCATAGCTGAGAGCAACATCTATAGATTGGAGACACCTGGAGC 408
QY 83 ArgProLysAspSerMet-----IleTrpAspCysThrCysIleGlyAlaGlyArgGly 100
DB 409 AG-----AAGATAATCGAGGAACCTGCTCCAGTGCATCTGCACAGCAACGCGCGAGGA 465
QY 101 ArgIleSerCys 104
DB 466 GAGTGGAGTGT 477

RESULT 5
US-09-940-235-11/c
; Sequence 11, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1782
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-12

Alignment Scores:
Pred. No.: 4.9 Length: 2096
Score: 37.50 Matches: 20
Percent Similarity: 36.76% Conservative: 5
Best Local Similarity: 29.41% Mismatches: 24
Query Match: 6.25% Indels: 19
DB: 1 Gaps: 5

US-09-940-235-4 (1-259) x US-09-940-235-11 (1-1782)
QY 1 GlnAlaGlnGlnMetValGlnPro-----GlnSerProValAlaVal 14
DB 613 CAGTACCAGCAACCGTAACACCAATTTGGCTGTGTTCACAGATGGAGCGGTCTAGCAGCC 554
QY 15 SerGlnSerLysProGlyCysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrp 34
DB 553 ACTCAGGTCCAGCAA-----TACGAACATCGGTGAAGGGCCAGATCCGCTCGATGTGG 500
QY 35 Glu-----ArgThrTyrLeuGlyAsnValLeuValCysThr 46
DB 499 TCTGCACAGAGGTGCTCTCACACTTCCACTCTCTCTCGCGCGTTGCTG---TGCAGA 443
QY 47 CysTyrGlyGlySerArgGlyPhe 54
DB 442 TGCACCTGGAGCA-----GGTTTC 425

RESULT 6
US-09-940-235-12/c
; Sequence 12, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 2096
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-12

Alignment Scores:
Pred. No.: 4.9 Length: 2096
Score: 37.50 Matches: 20
Percent Similarity: 36.76% Conservative: 5
Best Local Similarity: 29.41% Mismatches: 24
Query Match: 6.25% Indels: 19
DB: 1 Gaps: 5
```

```

US-09-940-235-4 (1-259) x US-09-940-235-12 (1-2096)
Qy 1 GlnAlaGlnMetValGlnPro-----GlnSerProValAlaVal 14
Db 663 CAGTACCAGCAACGGTAAACAACCAATGGCTGTTGTGACAGATGAGCGTCTAGCAGCC 604
Qy 15 SerGlnSerLysProGlyCysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnTrp 34
Db 603 ACTCAGTCCAGCAA-----TACGAACATCGGTGAAGGGCCAGATCCGCTCGATGTGG 550
Qy 35 Glu-----ArgThrTyrIleuGlyAsnValLeuValCysThr 46
Db 549 TCGACACAGAGGTGCTCTCCACATTCCTCCTCGCGCTTGCCTG---TGCAGA 493
Qy 47 CysTyrGlyGlySerArgGlyPhe 54
Db 492 TGCACCTGGAGCA-----GGTTTC 475

RESULT 7
; Sequence 9, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR FILING DATE: 1999-12-23
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1242)
US-09-940-235-1
Alignment Scores:
Pred. No.: 5.33 Length: 1245
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-940-235-1 (1-1245)
Qy 44 ValCysThrCysTyrGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1090 ATCATAACCGTTTATATATGCGCAGCGA-----CCGGAAGGAGAG 1128
Qy 64 GluThrCysPhe-----AspLysTyrThr 71
Db 1129 AATGCTAGCTATCATTTAGCTATGATAAAGATCGTTATACC 1170

RESULT 9
US-09-940-235-6
; Sequence 6, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR FILING DATE: 1999-12-23
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1541
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-9
Alignment Scores:
Pred. No.: 5.27 Length: 1541
Score: 34.00 Matches: 10
Percent Similarity: 48.39% Conservative: 5
Best Local Similarity: 32.26% Mismatches: 10
Query Match: 5.67% Indels: 6
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-940-235-9 (1-1541)
Qy 1 GlnAlaGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
Db 1248 AAGTCCAGCAGCATGATCAAAACACTTCTCAGCTATGGGTACAATCTGTTGCGCCTGGC 1189
Qy 21 CysTyrAspAsnGlyLysHisTyrGlnIleAsn 31
Db 1188 -----CACCAACCTAAT 1174

RESULT 8
US-09-940-235-1
; Sequence 1, Application US/09940235
; Publication No. US20030059921A1

```

```

; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-6

Alignment Scores:
Pred. No.: 5.33 Length: 1327
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-940-235-6 (1-1327)
Qy 44 ValCysThrCysTyrGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1172 ATCATACCGTTTATATGGCAACGGA-----CCCGAAGGAGAG 1210

Qy 64 GluThrCysPhe-----AspLysTyrThr 71
Db 1211 AATGCTAGCTATCATTTAGCTATGATAAAGATCGTTATACC 1252

RESULT 10
US-09-940-235-5
; Sequence 5, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-5

Alignment Scores:
Pred. No.: 5.33 Length: 1377
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-940-235-5 (1-1377)
Qy 44 ValCysThrCysTyrGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1222 ATCATACCGTTTATATGGCAACGGA-----CCCGAAGGAGAG 1260

Qy 64 GluThrCysPhe-----AspLysTyrThr 71
Db 1261 AATGCTAGCTATCATTTAGCTATGATAAAGATCGTTATACC 1302

RESULT 11
US-09-940-235-10/c
; Sequence 10, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-10

Alignment Scores:
Pred. No.: 5.49 Length: 1661
Score: 32.00 Matches: 9
Percent Similarity: 43.24% Conservative: 7
Best Local Similarity: 24.32% Mismatches: 21
Query Match: 5.33% Indels: 0
DB: 1 Gaps: 0

US-09-940-235-4 (1-259) x US-09-940-235-10 (1-1661)
Qy 15 SerGlnSerLysProGlyCysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrp 34
Db 1641 TCCCTCGCCAGCCCGATGCGAGGTACAGTCCAGATCATGGAGTCTTTAGGACGCTCAT 1582

Qy 35 GluArgThrTyrLeuGlyAsnValLeuValCysThrCysTyrGlyGlySer 51
Db 1581 AAGTGTACCCACTCGGTAAAGTGTCCCAAGTGTCTTGTCAAGCAAGTCT 1531

RESULT 12
US-09-940-235-5/c
; Sequence 5, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98

```

```
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-5

Alignment Scores:
Pred. No.:          5.83          Length:      1377
Score:              29.00         Matches:      11
Percent Similarity: 37.50%        Conservative: 4
Best Local Similarity: 27.50%     Mismatches:   15
Query Match:        4.83%         Indels:       10
DB:                 1            Gaps:           2

US-09-940-235-4 (1-259) x US-09-940-235-5 (1-1377)

QY 3 GlnGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGlyCys--- 21
Db 211 CACAGTACCAGCAACGCTAACCAATT-----GGCTGTGT 173
QY 22 -----TyrAspAsnGlyLysHisTyrGlnIleAsnGlnInTPGluA-gThrTyrIleu 39
Db 172 TGACAGATGCGCTGTAGCAGCACTCAGTCCAGCAATCATGTATATCTCTCTTTA 113

RESULT 13
US-09-940-235-1/c
; Sequence 1, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-6

Alignment Scores:
Pred. No.:          5.89          Length:      1327
Score:              28.50         Matches:      12
Percent Similarity: 34.62%        Conservative: 6
Best Local Similarity: 23.08%     Mismatches:   19
Query Match:        4.75%         Indels:       15
DB:                 1            Gaps:           2

US-09-940-235-4 (1-259) x US-09-940-235-6 (1-1327)

QY 5 MetValGlnProGlnSerProVal-----AlaValSerGlnSerLysProGlyCysTyr 22
Db 663 ATGGTGCACCGCATAGCTAGTGTTCATAGCTTAGTATCTTTGAGACCTGGTCTGAAA 604
QY 23 AspAsnGlyLysHisTyrGlnIleAsnGlnInTPGluA-gThrTyrIleuGlyAsnVal 42
Db 603 TCGTCATCAGGTTTAAGGAGTAAC-----577
QY 43 LeuValCysThrCysTyrGlyGlySerArgGlyPhe 54
Db 576 -----TGTACAGTATATTCACATCAACAGATTTC 547

Search completed: May 11, 2005, 08:37:18
Job time : 2 secs

; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-5

Alignment Scores:
Pred. No.:          5.83          Length:      1377
Score:              29.00         Matches:      11
Percent Similarity: 37.50%        Conservative: 4
Best Local Similarity: 27.50%     Mismatches:   15
Query Match:        4.83%         Indels:       10
DB:                 1            Gaps:           2

US-09-940-235-4 (1-259) x US-09-940-235-1 (1-1245)

QY 5 MetValGlnProGlnSerProVal-----AlaValSerGlnSerLysProGlyCysTyr 22
Db 663 ATGGTGCACCGCATAGCTAGTGTTCATAGCTTAGTATCTTTGAGACCTGGTCTGAAA 604
QY 23 AspAsnGlyLysHisTyrGlnIleAsnGlnInTPGluA-gThrTyrIleuGlyAsnVal 42
Db 603 TCGTCATCAGGTTTAAGGAGTAAC-----577
QY 43 LeuValCysThrCysTyrGlyGlySerArgGlyPhe 54
Db 576 -----TGTACAGTATATTCACATCAACAGATTTC 547

Search completed: May 11, 2005, 08:37:18
Job time : 2 secs
```

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model
Run on: May 11, 2005, 08:26:45 ; Search time 1 Seconds
(without alignments)
0.272 Million cell updates/sec

Title: US-09-940-235-4
Perfect score: 627
Sequence: 1 PIAEKCPHRAAGTSYVVGET.....ERHVSQVTTSSGSGPFTDVR 110

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 5 seqs, 2477 residues

Total number of hits satisfying chosen parameters: 5

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : rai2.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33	5.3	795	1 US-09-211-542A-2	Sequence 2, Appli
2	31.5	5.0	414	1 US-09-211-542A-6	Sequence 6, Appl1
3	31.5	5.0	414	1 5240845-1	Patent No. 5240845
4	31.5	5.0	414	1 5240845-1	Patent No. 5240845
5	31.5	5.0	440	1 US-08-560-098A-52	Sequence 52, Appl

ALIGNMENTS

RESULT 1
US-09-211-542A-2
; Sequence 2, Application US/09211542A
; Patent No. 6210667
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
; TITLE OF INVENTION: BACTERIAL FIBRIN-DEPENDENT PLASMINOGEN ACTIVATOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROMBERG & SUNSTEIN, LLP
; STREET: 125 Summer Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/09/211,542A
; FILING DATE: 15-December-1998

CLASSIFICATION: 1653
PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/069,497
; FILING DATE: 15-December-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Attorney, Strimpel, Harriet M.
; REGISTRATION NUMBER: 37,008
; REFERENCE/DOCKET NUMBER: 1874/111
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)443-9292
; TELEFAX: (617)443-0004
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 795 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-211-542A-2

Query Match 5.3%; Score 33; DB 1; Length 795;
Best Local Similarity 20.8%; Pred.No. 0;
Matches 22; Conservative 10; Mismatches 42; Indels 32; Gaps 5;
Qy 151 IAEKCPHRAAGTSYVVGETWEKPYQG-----WVVDCTCLGSGSGRITCTSRN 198
Db 303 VALKSYEEELAKDPRIAATMENAKQGEIMPINPQMSAFWYAVRTAVINAAAGRTQVD--E 360
Qy 199 RCNDQDTRTSYRIGDTWSKKNRGNLLQICITGNR---GEWKCEK 241
Db 361 ALKDAQNTSSSVFG-----RGSI-----EGRIAGPEWLLDR 391

RESULT 2

US-09-211-542A-6
; Sequence 6, Application US/09211542A
; Patent No. 6210667
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
; TITLE OF INVENTION: BACTERIAL FIBRIN-DEPENDENT PLASMINOGEN ACTIVATOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROMBERG & SUNSTEIN, LLP
; STREET: 125 Summer Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/09/211,542A
; FILING DATE: 15-December-1998
; CLASSIFICATION: 1653
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/069,497
; FILING DATE: 15-December-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Attorney, Strimpel, Harriet M.
; REGISTRATION NUMBER: 37,008
; REFERENCE/DOCKET NUMBER: 1874/111
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)443-9292
; TELEFAX: (617)443-0004
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 414 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-211-542A-6

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 11, 2005, 08:28:59 ; Search time 0.001 Seconds
(without alignments)
90.970 Million cell updates/sec

Title: US-09-940-235-4
Perfect score: 627
Sequence: 1 PTAEKCFDHAAGTSYVVGTT.....ERTSVQTTSSGSGPFTDVR 110

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2 seqs, 827 residues

Total number of hits satisfying chosen parameters: 2

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : rapb2.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	31.5	5.0	413	1 US-10-360-101-264	Sequence 264, App
2	31.5	5.0	414	1 US-09-940-235-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-10-360-101-264
; Sequence 264, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 264
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: sequence of streptokinase
US-10-360-101-264

Query Match 5.0%; Score 31.5; DB 1; Length 413;
Best Local Similarity 32.0%; Pred. No. 0;
Matches 16; Conservative 8; Mismatches 17; Indels 9; Gaps 3;

Qy 203 QDTR--TSYRIGDTWSKKDNRGNLL---QCICTNGRGGEWKCEKERTSVQT 247
Db 180 KDTKLLKTLAIGDTITSQE-----LLAQASILNKNHFGYTIYERDSSIVT 225

RESULT 2

US-09-940-235-2
; Sequence 2, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:

; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chaic
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir

; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Streptococcus equisimilis
US-09-940-235-2

Query Match 5.0%; Score 31.5; DB 1; Length 414;
Best Local Similarity 32.0%; Pred. No. 0;
Matches 16; Conservative 8; Mismatches 17; Indels 9; Gaps 3;

Qy 203 QDTR--TSYRIGDTWSKKDNRGNLL---QCICTNGRGGEWKCEKERTSVQT 247
Db 180 KDTKLLKTLAIGDTITSQE-----LLAQASILNKNHFGYTIYERDSSIVT 225

Search completed: May 11, 2005, 08:28:59
Job time : 0.001 secs

US-08-568-393B-1/c
; Sequence 1, Application US/08568393B
; Patent No. 5876999
; GENERAL INFORMATION:
; APPLICANT: Hua-Lin Wu
; APPLICANT: Guey-Yueh Shi

```

CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/09/211,542A
  FILING DATE: 15-December-1998
  CLASSIFICATION: 1653
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: 60/069,497
  FILING DATE: 15-December-1997
ATTORNEY/AGENT INFORMATION:
  NAME: Attorney, Strimpel, Harriet M.
  REGISTRATION NUMBER: 37,008
  REFERENCE/DOCKET NUMBER: 1874/111
TELECOMMUNICATION INFORMATION:
  TELEPHONE: (617)443-9292
  TELEFAX: (617)443-0004
  INFORMATION FOR SEQ ID NO: 1:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 2385 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: single
      TOPOLOGY: linear
      MOLECULE TYPE: cDNA
      FEATURE:
        NAME/KEY: CDS
        LOCATION: 1..2385
US-09-211-542A-1

Alignment Scores:
Pred. No.: 1
Score: 1.58
Length: 2385
Percent Similarity: 33.50
Matches: 10
Best local Similarity: 41.94%
Conservative: 3
Mismatch: 6
Query Match: 5.34%
Indels: 12
DB: Gaps: 1

US-09-940-235-4 (1-259) x US-09-211-542A-1 (1-2385)
QY 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetMetValAspCysThr----- 183
Db 1680 GAGACCTGCTCTGAAATCGTCATCAGCGGTTTAAGCGGAGTAACGTGTAACAGTATATTCAC 1621
QY 184 -----CysLeuGly 186
Db 1620 ATCAACAGATTCGCTGTTGTTTGATTTGATGGT 1590

RESULT 4
US-09-211-542A-1
; Sequence 1, Application US/09211542A
; Patent No. 6210667
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
; TITLE OF INVENTION: BACTERIAL FIBRIN-DEPENDENT PLASMINOGEN ACTIVATOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSER: BROMBERG & SUNSTEIN, LLP
; STREET: 125 Summer Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/211,542A
; FILING DATE: 15-December-1998
; CLASSIFICATION: 1653
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/069,497
; FILING DATE: 15-December-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Attorney, Strimpel, Harriet M.

```

```

; REGISTRATION NUMBER: 37,008
; REFERENCE/DOCKET NUMBER: 1874/111
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)443-9292
; TELEFAX: (617)443-0004
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2385 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..2385
US-09-211-542A-1

Alignment Scores:
Pred. No.: 2.03 Length: 2385
Score: 33.00 Matches: 22
Percent Similarity: 30.19% Conservatives: 10
Best Local Similarity: 20.75% Mismatches: 42
Query Match: 5.26% Indels: 32
DB: 1 Gaps: 5

US-09-940-235-4 (1-259) x US-09-211-542A-1 (1-2385)
QY 151 ILeAlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThrTrp 170
Db 907 GTAGCGCTGAAGTCTTACGAGGAGAGATTGGCGAAGATCCAGTATGCGGCCACCATG 966
QY 171 GluLysProTyrGlnGly-----Tpmet 178
Db 967 GAAACGCCAGAAAGGTGAATCATGCCGAACATCCCGCAGATGTCGGCTTTCTGGTAT 1026
QY 179 MetValAspCysThrCysLeuGlyGluGlySerGlyArgIleThrCysThrSerArgAsn 198
Db 1027 GCCGTGCGTACTGCGGTGATCAACGCCGCCGCGGTGTCGAGACTGTCGAT-----GAA 1080
QY 199 ArgCysAsnAspGlnAspThrArgThrSerTyrArgIleGlyAspThrTrpSerLysLys 218
Db 1081 GCCGTGAAGACGCCGAGACTAATTCGAGTCGGTACCCCGC-----1122
QY 219 AspAsnArgGlyAsnLeuLeuGlnCysIleCysThrGlyAsnGlyArg-----Gly 235
Db 1123 -----CGGGGATCCATC-----CAGGTAGGATTGCTGGACCT 1155
QY 236 GluTrpLysCysGluArg 241
Db 1156 GAGTGGCTGCTAGACCGT 1173

RESULT 5
US-08-568-393B-1
; Sequence 1, Application US/08568393B
; Patent No. 5876999
; GENERAL INFORMATION:
; APPLICANT: Hua-lin Wu
; APPLICANT: Guey-yueh Shi
; TITLE OF INVENTION: Preparation of novel streptokinase
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESS: Jeing & Chang
; STREET: Two No. 5876999th Second Street, Suite 290
; CITY: San Jose
; STATE: California
; COUNTRY: USA
; ZIP: 95113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44MB
; MEDIUM TYPE: storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

```

```

; SOFTWARE: WordPerfect 6.1 on Window 3.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/568,393B
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Chi-Ping Chang
; REGISTRATION NUMBER: 37,798
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (408) 288-8585
; TELEFAX: (408) 288-8386
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1242 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE:
; HYPOTHETICAL: N
; ANTI-SENSE: N
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus equisimilis H46A
; INDIVIDUAL ISOLATE: Malle, H., Roe, B., and Ferretti, J. J.;
; INDIVIDUAL ISOLATE: "Nucleotide sequence of the streptokinase gene from Streptococcus equisimilis H46A" from Gene 34:357-362 (1985).
; CELL TYPE: Streptococcus equisimilis H46A
US-08-568-393B-1

Alignment Scores:
Pred. No.: 4.04 Length: 1242
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservatives: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-08-568-393B-1 (1-1242)
QY 203 GlnAspThrArg-----ThrSerTyrArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 538 AAAGATACTAGTACTATTGAAACACATAGTATCGGTGACACCATCATCTCAAGAA--- 594
QY 221 ArgGlyAsnLeuLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 595 -----TTACTAGCTCAAGCACAAAGCATTTTAAACAAAACCCACCCAGGCTATACG 645
QY 238 LysCysGluArgHisThrSerValGlnThr 247
Db 646 ATTTATGACGCTGACTCCTCAATCGTCACT 675

RESULT 6
US-09-211-542A-5
; Sequence 5, Application US/09211542A
; Patent No. 6210667
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
; TITLE OF INVENTION: BACTERIAL FIBRIN-DEPENDENT PLASMINOGEN ACTIVATOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROMBERG & SUNSTEIN, LLP
; STREET: 125 Summer Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/211,542A

```

```
; FILING DATE: 15-December-1998
; CLASSIFICATION: 1653
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/069,497
; FILING DATE: 15-December-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Attorney, Strimpel, Harriet M.
; REGISTRATION NUMBER: 37,008
; REFERENCE/DOCKET NUMBER: 1874/111
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)443-9292
; TELEFAX: (617)443-0004
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1242 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1242
; US-09-211-542A-5

Alignment Scores:
Pred. No.: 4.04 Length: 1242
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: Gaps: 3

US-09-940-235-4 (1-259) x US-09-211-542A-5 (1-1242)

Qy 203 GlnAspThrArg-----ThrSerTyArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 538 AAAGATACCTAAGCTATTGAAACACCTAGCTCGGTGACACCATCATCTCAAGAA--- 594
Qy 221 ArgGlyAsnLeuLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 595 -----TTACTGCTCAAGCACAAGCAATTTAAACAAACCAACCCAGCGCTATACG 645
Qy 238 LysCysGluArgHisThrSerValGlnThr 247
Db 646 ATTTATGACGTGACTCCTCAATCGTCACT 675

RESULT 7
5240845-2
; Patent No. 5240845
; APPLICANT: FUJII, SETSURO; TAKADA, KAORUKO.; KATANO, TAMIKI;
; MAJIMA, EIJI; OGINO, KOICHI; ONO, KENJI; SAKATA, YASUYO; UENOYAMA,
; TSUTOMU
; TITLE OF INVENTION: MUTATED STREPTOKINASE PROTEINS
; NUMBER OF SEQUENCES: 65
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/549,049
; FILING DATE: 06-JUL-1990
; SEQ ID NO: 2:
; LENGTH: 1242
5240845-2
Alignment Scores:
Pred. No.: 4.04 Length: 1242
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: Gaps: 3

US-09-940-235-4 (1-259) x 5240845-2 (1-1242)

Qy 203 GlnAspThrArg-----ThrSerTyArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 538 AAAGATACCTAAGCTATTGAAACACCTAGCTCGGTGACACCATCATCTCAAGAA--- 594
Qy 221 ArgGlyAsnLeuLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 595 -----TTACTGCTCAAGCACAAGCAATTTAAACAAACCAACCCAGCGCTATACG 645
Qy 238 LysCysGluArgHisThrSerValGlnThr 247
Db 646 ATTTATGACGTGACTCCTCAATCGTCACT 675

RESULT 9
5240845-2/c
; Patent No. 5240845
; APPLICANT: FUJII, SETSURO; TAKADA, KAORUKO.; KATANO, TAMIKI;
; MAJIMA, EIJI; OGINO, KOICHI; ONO, KENJI; SAKATA, YASUYO; UENOYAMA,
; TSUTOMU
; TITLE OF INVENTION: MUTATED STREPTOKINASE PROTEINS
; NUMBER OF SEQUENCES: 65
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/549,049
; FILING DATE: 06-JUL-1990
; SEQ ID NO: 2:
; LENGTH: 1242
5240845-2
Alignment Scores:
Pred. No.: 9.98 Length: 1242
Score: 27.00 Matches: 13
Percent Similarity: 44.44% Conservative: 3
Best Local Similarity: 36.11% Mismatches: 16
Query Match: 4.31% Indels: 4
DB: Gaps: 2

US-09-940-235-4 (1-259) x 5240845-2 (1-1242)

Qy 221 ArgGlyAsnLeuLeuGlnCysIleCysThr---GlyAsnGlyArgGlyGlu----- 236
```

```
Db      174 CGGGGACAGCCCTGTTCCGGTTTACACCATGGCCGGACGAGAGGTGAGTCGATTTC 115
QY      237 TrpLysCysGluArgHisThrSerValGlnThrThrSerSerGlySer 252
Db      114 GAAAAATTTCAGAGAGAGATGCTCTGGTTAGTAGTACCTTCAACAGTGCCAGC 67
```

RESULT 10

```
5240845-3/c
; Patent No. 5240845
; APPLICANT: FUJII, SETSURO; TAKADA, KAORUKO; KATANO, TAMIKI;
; MAJIMA, EIJI; OGINO, KOICHI; ONO, KENJI; SAKATA, YASUYO; UENOYAMA,
; TSUTOMU
; TITLE OF INVENTION: MUTATED STREPTOKINASE PROTEINS
; NUMBER OF SEQUENCES: 65
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/549,049
; FILING DATE: 06-JUL-1990
; SEQ ID NO:3:
; LENGTH: 1262
5240845-3
```

```
Alignment Scores:
Pred. No.:      9.98      Length:      1262
Score:          27.00     Matches:      13
Percent Similarity: 44.44% Conservative: 3
Best Local Similarity: 36.11% Mismatches: 16
Query Match:      4.31% Indels:      4
DB:               1      Gaps:      2
```

US-09-940-235-4 (1-259) x 5240845-3 (1-1262)

```
QY      221 ArgGlyAsnLeuLeuGlnCysIleCysThr---GlyAsnGlyArgGlyGlu----- 236
Db      188 CGGGGACAGCCCTGTTCCGGTTTACACCATGGCCGGACGAGAGGTGAGTCGATTTC 129
QY      237 TrpLysCysGluArgHisThrSerValGlnThrThrSerSerGlySer 252
Db      128 GAAAAATTTCAGAGAGATGCTCTGGTTAGTAGTACCTTCAACAGTGCCAGC 81
```

Search completed: May 11, 2005, 08:40:11
Job time : 1 secs

; Sequence 9, Application US/09940235

```

; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 2096
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-12

Alignment Scores:
Pred. No.: 0.0099 Length: 2096
Score: 627.00 Matches: 110
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0

US-09-940-235-4 (1-259) x US-09-940-235-12 (1-2096)

Qy 150 ProfileAlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThr 169
Db 1764 CCCATAGCTGAGAAGTGTTCATGATCTGCTGGGACTTCTCTATGTTGGTCGGAGAAACG 1823

Qy 170 TrpGluLysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGlySer 189
Db 1824 TGGGAGAAGCCCTACCAAGCTGGATGATGTAGATTGTAATTCCTCGGAGAGGCGAGC 1883

Qy 190 GlyArgIleThrCysThrSerArgAsnArgCysAsnAspGlnAspThrThrSerTyr 209
Db 1884 GGACGCATCACTTGCACCTCTAGAAATAGATGCAACATCAGGACACAGACATCTTAT 1943

Qy 210 ArgIleGlyAspThrTrpSerLysLysAspAsnArgGlyAsnLeuGlnCysIleCys 229
Db 1944 AGAATTGGAGACACCTGGAGCAGAGAGGATAATCGAGAAACCTGCTCCAGTGCATCTGC 2003

Qy 230 ThrGlyAsnGlyArgGlyGluTrpLysCysGluArgHisThrSerValGlnThrThrSer 249
Db 2004 ACAGGCAACGGCCGAGAGAGTGAAGTGTGAGAGGCACACCTCTGTGACAGACCACATCG 2063

Qy 250 SerGlySerGlyProPheThrAspValArg 259
Db 2064 AGCGGATCTGGCCCTTCACCGATGTTCTGT 2093

RESULT 3
US-09-940-235-11
; Sequence 11, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID

```

```

; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1782
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-11

Alignment Scores:
Pred. No.: 0.0423 Length: 1782
Score: 497.50 Matches: 94
Percent Similarity: 85.45% Conservative: 0
Best Local Similarity: 85.45% Mismatches: 1
Query Match: 79.35% Indels: 16
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-940-235-11 (1-1782)

Qy 150 ProfileAlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThr 169
Db 254 CCCATAGCTGAGAAGTGTTCATGATCTGCTGGGACTTCTCTATGTTGGTCGGAGAAACG 313

Qy 170 TrpGluLysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGlySer 189
Db 314 TGGGA-----GAAGGCAGC 327

Qy 190 GlyArgIleThrCysThrSerArgAsnArgCysAsnAspGlnAspThrThrSerTyr 209
Db 328 GGACGCATCACTTGCACCTCTAGAAATAGATGCAACATCAGGACACAGACATCTTAT 387

Qy 210 ArgIleGlyAspThrTrpSerLysLysAspAsnArgGlyAsnLeuGlnCysIleCys 229
Db 388 AGAATTGGAGACACCTCGAGCAGAGAGGATAATCGAGAAACCTGCTCCAGTGCATCTGC 447

Qy 230 ThrGlyAsnGlyArgGlyGluTrpLysCysGluArgHisThrSerValGlnThrThrSer 249
Db 448 ACAGGCAACGGCCGAGAGAGTGAAGTGTGAGAGGCACACCTCTGTGACAGACCACATCG 507

Qy 250 SerGlySerGlyProPheThrAspValArg 259
Db 508 AGCGGATCTGGCCCTTCACCGATGTTCTGT 537

RESULT 4
US-09-940-235-10
; Sequence 10, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23

```

```

; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-10

Alignment Scores:
Pred. No.: 1.99 Length: 1661
Score: 148.50 Matches: 34
Percent Similarity: 54.44% Conservativeness: 15
Best Local Similarity: 37.78% Mismatches: 30
Query Match: 23.68% Indels: 11
DB: 6

US-09-940-235-4 (1-259) x US-09-940-235-10 (1-1661)
Qy 155 CysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThrTrpGluLysProTyr 174
Db 1401 TGTATGACAT-----GGAACACTATCATGATAATACACAGTGGGACCGACCTAC 1454

Qy 175 GlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArgGlleThrCys 194
Db 1455 CTAGTAATGCTTGGTT---TGACTCTTATGGA---GGAAGCCGAGGTTTAACTGC 1508

Qy 195 ThrSerArg-----AsnArgCysAsnAspGlnAspThrArgThrSerTyrArg 210
Db 1509 GAAAGTAAACCTGAAGCTGAAGAGACTTCTTTGACAAAGTACACTGCGGAACACTTACCGA 1568

Qy 211 IleGlyAspThrTrpSerLys---LysAspAsnArgGlyAsnLeuGlnCysIleCys 229
Db 1569 GTGGGTGACATTTTATGAGCTCTAAAGACTCCATG-----ATCTGGGACTGTACTGTC 1622

Qy 230 ThrGlyAsnGlyArgGlyGluTrpLysCys 239
Db 1623 ATCGGGCTGGCGGAGGAGATAAGCTGT 1652

RESULT 5
US-09-940-235-9/c
; Sequence 9, Application US/09940235
; Publication No. US2003005921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1782
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-11

Alignment Scores:
Pred. No.: 5.43 Length: 1782
Score: 45.00 Matches: 13
Percent Similarity: 40.82% Conservativeness: 7
Best Local Similarity: 26.53% Mismatches: 13
Query Match: 7.18% Indels: 16
DB: 2

US-09-940-235-4 (1-259) x US-09-940-235-11 (1-1782)
Qy 152 AlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThrTrpGlu 171
Db 496 GCACAGAGGTGCTCTCTCAC-----ACTTCCACTCTCTCGGCCGT----- 455

Qy 172 LysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArg 191
Db 1455 -----TGCCTGTGCAGATGCATCGAGGTTTC 1426

US-09-940-235-9 (1-1541)
Qy 152 AlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThrTrpGlu 171
Db 1497 GCACAGAGGTGCTCTCTCAC-----ACTTCCACTCTCTCGGCCGT----- 1456

Qy 172 LysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArg 191
Db 1455 -----TGCCTGTGCAGATGCATCGAGGTTTC 1426

US-09-940-235-11/c
; Sequence 11, Application US/09940235
; Publication No. US2003005921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1782
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-11

Alignment Scores:
Pred. No.: 5.43 Length: 1782
Score: 45.00 Matches: 13
Percent Similarity: 40.82% Conservativeness: 7
Best Local Similarity: 26.53% Mismatches: 13
Query Match: 7.18% Indels: 16
DB: 2

US-09-940-235-4 (1-259) x US-09-940-235-11 (1-1782)
Qy 152 AlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThrTrpGlu 171
Db 496 GCACAGAGGTGCTCTCTCAC-----ACTTCCACTCTCTCGGCCGT----- 455

Qy 172 LysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArg 191
Db 1455 -----TGCCTGTGCAGATGCATCGAGGTTTC 1426

```

```

Db 454 -----TGCTGTGCAGATGCATCGACTGCAGCAGGTTTC 425
Qy 192 IleThrCysThrSerArgAsnArgCys 200
Db 424 CTCGATTATCTCTTCTTGCTCCAGGTGT 398

RESULT 7
US-09-940-235-12/c
; Sequence 12, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 2096
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-12

Alignment Scores:
Pred. No.: 5.44 Length: 2096
Score: 45.00 Matches: 13
Percent Similarity: 40.82% Conservative: 7
Best Local Similarity: 26.53% Mismatches: 13
Query Match: 7.18% Indels: 2
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-940-235-12 (1-2096)
Qy 152 AlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThrTrpGlu 171
Db 2052 GCACAGAGGTGTGCCTCTCAC-----ACTTCCACTCTCTCGCCCGT----- 2011
Qy 172 LysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArg 191
Db 2010 -----TGCTGTGCAGATGCATCGACTGCAGCAGGTTTC 1981

RESULT 8
US-09-940-235-1/c
; Sequence 1, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir

```

```

; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)....(1242)
US-09-940-235-1

Alignment Scores:
Pred. No.: 5.96 Length: 1245
Score: 33.50 Matches: 10
Percent Similarity: 41.94% Conservative: 3
Best Local Similarity: 32.26% Mismatches: 6
Query Match: 5.34% Indels: 12
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-940-235-1 (1-1245)
Qy 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetMetValAspCysThr----- 183
Db 537 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAAGGAGTAAACTGACATATATTCAC 478
Qy 184 -----CysLeuGly 186
Db 477 ATCAACAGATTTCGCTTGTTTGTATTTGGT 447

RESULT 9
US-09-940-235-6/c
; Sequence 6, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-6

Alignment Scores:
Pred. No.: 5.96 Length: 1327

```

Score: 33.50 Matches: 10
 Percent Similarity: 41.94% Conservatives: 3
 Best Local Similarity: 32.26% Mismatches: 6
 Query Match: 5.34% Indels: 12
 DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-940-235-6 (1-1327)

Qy 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetValAspCysThr----- 183
 |||||
 Db 619 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAGGGAGTAACGTGACAGTATATCCAC 560
 |||||
 Qy 184 -----CysLeuGly 186
 |||||
 Db 559 ATCAACAGATTTCGCTTGGTTTGTATTGGT 529
 |||||

RESULT 10

US-09-940-235-5/c
 ; Sequence 5, Application US/09940235
 ; Publication No. US20030059921A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kumar, Rajesh
 ; APPLICANT: Sahni, Girish
 ; APPLICANT: Roy, Chait
 ; APPLICANT: Rajagopal, Kammara
 ; APPLICANT: Nihalani, Deepak
 ; APPLICANT: Sundaram, Vasudha
 ; APPLICANT: Yadav, Mahavir
 ; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
 ; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
 ; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
 ; TITLE OF INVENTION: PROTEIN
 ; FILE REFERENCE: 07064-009002
 ; CURRENT APPLICATION NUMBER: US/09/940,235
 ; CURRENT FILING DATE: 2002-04-09
 ; PRIOR APPLICATION NUMBER: 09/471,349
 ; PRIOR FILING DATE: 1999-12-23
 ; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
 ; PRIOR FILING DATE: 1998-12-24
 ; NUMBER OF SEQ ID NOS: 28
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 5
 ; LENGTH: 1377
 ; TYPE: DNA
 ; ORGANISM: Streptococcus equisimilis
 ; OTHER INFORMATION: Hybrid cassette
 ; FEATURE:
 ; US-09-940-235-5

Alignment Scores:
 Pred. No.: 5.97 Length: 1377
 Score: 33.50 Matches: 10
 Percent Similarity: 41.94% Conservatives: 3
 Best Local Similarity: 32.26% Mismatches: 6
 Query Match: 5.34% Indels: 12
 DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-940-235-5 (1-1377)

Qy 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetValAspCysThr----- 183
 |||||
 Db 669 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAGGGAGTAACGTGACAGTATATCCAC 610
 |||||
 Qy 184 -----CysLeuGly 186
 |||||
 Db 609 ATCAACAGATTTCGCTTGGTTTGTATTGGT 579
 |||||

RESULT 11

US-09-940-235-10/c
 ; Sequence 10, Application US/09940235
 ; Publication No. US20030059921A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kumar, Rajesh
 ; APPLICANT: Sahni, Girish
 ; APPLICANT: Roy, Chait

; APPLICANT: Rajagopal, Kammara
 ; APPLICANT: Nihalani, Deepak
 ; APPLICANT: Sundaram, Vasudha
 ; APPLICANT: Yadav, Mahavir
 ; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
 ; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
 ; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
 ; TITLE OF INVENTION: PROTEIN
 ; FILE REFERENCE: 07064-009002
 ; CURRENT APPLICATION NUMBER: US/09/940,235
 ; CURRENT FILING DATE: 2002-04-09
 ; PRIOR APPLICATION NUMBER: 09/471,349
 ; PRIOR FILING DATE: 1999-12-23
 ; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
 ; PRIOR FILING DATE: 1998-12-24
 ; NUMBER OF SEQ ID NOS: 28
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 10
 ; LENGTH: 1661
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Hybrid cassette
 ; US-09-940-235-10

Alignment Scores:
 Pred. No.: 5.98 Length: 1661
 Score: 33.50 Matches: 10
 Percent Similarity: 41.94% Conservatives: 3
 Best Local Similarity: 32.26% Mismatches: 6
 Query Match: 5.34% Indels: 12
 DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-940-235-10 (1-1661)

Qy 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetValAspCysThr----- 183
 |||||
 Db 719 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAGGGAGTAACGTGACAGTATATCCAC 660
 |||||
 Qy 184 -----CysLeuGly 186
 |||||
 Db 659 ATCAACAGATTTCGCTTGGTTTGTATTGGT 629
 |||||

RESULT 12

US-09-940-235-1
 ; Sequence 1, Application US/09940235
 ; Publication No. US20030059921A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kumar, Rajesh
 ; APPLICANT: Sahni, Girish
 ; APPLICANT: Roy, Chait
 ; APPLICANT: Rajagopal, Kammara
 ; APPLICANT: Nihalani, Deepak
 ; APPLICANT: Sundaram, Vasudha
 ; APPLICANT: Yadav, Mahavir
 ; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
 ; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
 ; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
 ; TITLE OF INVENTION: PROTEIN
 ; FILE REFERENCE: 07064-009002
 ; CURRENT APPLICATION NUMBER: US/09/940,235
 ; CURRENT FILING DATE: 2002-04-09
 ; PRIOR APPLICATION NUMBER: 09/471,349
 ; PRIOR FILING DATE: 1999-12-23
 ; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
 ; PRIOR FILING DATE: 1998-12-24
 ; NUMBER OF SEQ ID NOS: 28
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 1245
 ; TYPE: DNA
 ; ORGANISM: Streptococcus equisimilis
 ; FEATURE:

```
; NAME/KEY: CDS
; LOCATION: (1)...(1242)
US-09-940-235-1

Alignment Scores:
Pred. No.: 6.06 Length: 1245
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-09-940-235-1 (1-1245)

Qy 203 GlnAspThrArg-----ThrSerTyrArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 538 AAAGATACTAAGCTATTGAAACACTAGCTATCGTGACACCATCATCTCAAGAA---594
Qy 221 ArgGlyAsnLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 595 -----TTACTAGCTCAAGCACAAGCAATTTTAAACAAAACCCAGGCTATACG 645

Qy 238 LysCysGluArgHisThrSerValGlnThr 247
Db 646 ATTATGAACGTGACTCCTCAATCGTCACT 675

RESULT 13
US-09-940-235-6
; Sequence 6, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT FILING DATE: 2002-04-09
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-6

Alignment Scores:
Pred. No.: 6.06 Length: 1327
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-09-940-235-6 (1-1327)

Qy 203 GlnAspThrArg-----ThrSerTyrArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 620 AAAGATACTAAGCTATTGAAACACTAGCTATCGTGACACCATCATCTCAAGAA---676
Qy 221 ArgGlyAsnLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 946 -----TTACTAGCTCAAGCACAAGCAATTTTAAACAAAACCCAGGCTATACG 727

; NAME/KEY: CDS
; LOCATION: (1)...(1242)
US-09-940-235-1

Alignment Scores:
Pred. No.: 6.06 Length: 1245
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-09-940-235-1 (1-1245)

Qy 203 GlnAspThrArg-----ThrSerTyrArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 538 AAAGATACTAAGCTATTGAAACACTAGCTATCGTGACACCATCATCTCAAGAA---594
Qy 221 ArgGlyAsnLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 595 -----TTACTAGCTCAAGCACAAGCAATTTTAAACAAAACCCAGGCTATACG 645

Qy 238 LysCysGluArgHisThrSerValGlnThr 247
Db 646 ATTATGAACGTGACTCCTCAATCGTCACT 675

RESULT 14
US-09-940-235-5
; Sequence 5, Application US/09940235
; Publication No. US20030059921A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT FILING DATE: 2002-04-09
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-5

Alignment Scores:
Pred. No.: 6.07 Length: 1377
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-09-940-235-5 (1-1377)

Qy 203 GlnAspThrArg-----ThrSerTyrArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 670 AAAGATACTAAGCTATTGAAACACTAGCTATCGTGACACCATCATCTCAAGAA---726
Qy 221 ArgGlyAsnLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 727 -----TTACTAGCTCAAGCACAAGCAATTTTAAACAAAACCCAGGCTATACG 777

Qy 238 LysCysGluArgHisThrSerValGlnThr 247
Db 778 ATTATGAACGTGACTCCTCAATCGTCACT 807

Search completed: May 11, 2005, 08:41:43
Job time : 1 secs
```